

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/511,112  
 Filed: 10/21/2004  
 1<sup>st</sup> Inventor: N. TSUCHIMORI  
 For: Use of Compounds Having CCR Antagonism  
 Atty. Dkt. No. 3043 USOP

Art Unit: tba  
 Examiner: tba  
 Allowed:  
 Batch:  
 Paper No.:

CERTIFICATE OF EXPRESS MAILING UNDER 37 CFR 1.10

USPS EXPRESS MAIL LABEL No. EV 524907005 US

DATE IN: January 12, 2005

## Itemized Papers/Items:

1. This Certificate of Express Mailing and Return Postcard (2 pages)
2. Transmittal Form (1 page X 2)
3. Information Disclosure Statement (1 page) with Forms PTO SB/08A and SB/08B (5 pages), and cited references (23)

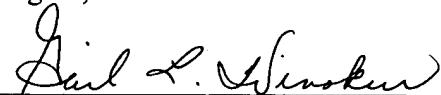
The undersigned hereby certifies that the above itemized papers are together being deposited with the Express Mail Post Office to Addressee service of the United States Postal Service (USPS) in an envelope with sufficient postage, having the USPS Express Mail Label No. shown above, and addressed to:

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 Arlington, VA 22313-1450

on this date, 1/12/05

Dated: 1/12/05

Gail L. Winokur



Takeda Pharmaceuticals North America, Inc.  
 Intellectual Property Department  
 475 Half Day Road  
 Lincolnshire, IL 60069 USA

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## TRANSMITTAL FORM

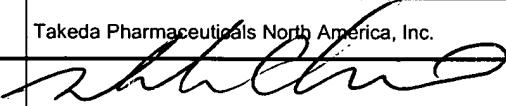
(to be used for all correspondence after initial filing)

		Application Number	10/511,112
		Filing Date	10/21/2004
		First Named Inventor	N. TSUCHIMORI
		Art Unit	tba
		Examiner Name	tba
Total Number of Pages in This Submission	10	Attorney Docket Number	3043 USOP

### ENCLOSURES (Check all that apply)

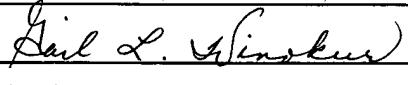
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
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<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	<input type="checkbox"/> Certificate of Express Mailing
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> Forms PTO/SB/08A and SB/08B
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> Cited References (23)
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	
The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account 500799.		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Takeda Pharmaceuticals North America, Inc.		
Signature			
Printed name	Mark Chao		
Date	Jan 11/05	Reg. No.	37,293

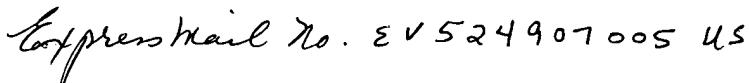
### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as **first-class mail** in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: **EXPRESS**

Signature			
Typed or printed name	Gail L. Winokur	Date	1/12/2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:	10/511,112	Art Unit:	tba
Filed:	October 21, 2004	Examiner:	tba
1 <sup>st</sup> Inventor:	Noboru TSUCHIMORI	Allowed:	
For:	Use of Compounds Having CCR Antagonism	Batch:	
Atty. Dkt. No.	3043 USOP	Paper No.:	

Information Disclosure Statement

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, 1.97 and 1.98, Applicants request consideration of the references listed on the attached Form PTO/SB/08A and PTO/SB/08B. A legible copy of each listed reference is herewith being provided to the Examiner.

This Information Disclosure Statement is being submitted within 3 months of the filing date of the above-identified application, and before the mailing date of the first Office Action on the merits, thus, no certification or fee is required.

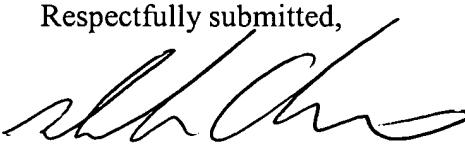
Applicants respectfully request that the listed documents be considered by the Examiner and formally be made of record in the present application and that an initialed copy of the attached form PTO/SB/08A be returned in accordance with MPEP §609.

Should the Examiner believe that a conference with Applicants' attorney would advance prosecution of this application, the Examiner is respectfully requested to call Applicants' attorney.

Dated: 11/05

(847) 383-3372  
(847) 383-3391

Respectfully submitted,



Mark Chao, Ph.D., Reg. No. 37,293  
Elaine M. Ramesh, Ph.D., Reg. No. 43,032  
Attorney for Applicants  
Customer No. 23115

Takeda Pharmaceuticals North America, Inc.  
Intellectual Property Department  
475 Half Day Road  
Lincolnshire, IL 60069 USA

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Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	10/511,112
		Filing Date	10/21/2004
		First Named Inventor	Noboru TSUCHIMORI
		Art Unit	tba
		Examiner Name	tba
Sheet	1	of	15
		Attorney Docket Number	
		3043 USOP	

**U. S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
	A2	WO 99/32468	07/01/1999	Takeda Chemical Industries	
	A3	WO 99/32100	07/01/1999	Takeda Chemical Industries	
	A4	WO 00/10965	03/02/2000	Takeda Chemical Industries	
	A5	WO 00/37455	06/29/2000	Takeda Chemical Industries	
	A6	EP 1182195 A1	02/27/2002	Takeda Chemical Industries	
	A7	EP 1186604 A1	03/13/2002	Takeda Chemical Industries	

Examiner Signature		Date Considered	
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**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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		Filing Date	10/21/2004
		First Named Inventor	Noboru TSUCHIMORI
		Art Unit	tba
		Examiner Name	tba
Sheet	12	of	15
		Attorney Docket Number	

**U. S. PATENT DOCUMENTS**

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
	A8	EP 1180513 A1	02/20/2002	Takeda Chemical Industries	
	A9	EP 1219605 A1	07/03/2002	Takeda Chemical Industries	
	A10	WO 01/64213 A1	09/07/2001	SmithKline Beecham Corp.	
	A11	WO 01/42208 A1 - Abstract	06/14/2001	Teijin Limited	
	A12	EP 1238970 A1	09/11/2002	Teijin Limited	
	A13	WO 00/76973 A1	12/21/2000	Merck & Co., Inc.	

Examiner Signature		Date Considered	
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		Attorney Docket Number	3043 US0P

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	A14	WO 00/76514 A1	12/21/2000	Merck & Co., Inc.	
	A15	WO 00/76512 A1	12/21/2000	Merck & Co., Inc.	
	A16	WO 00/76511 A1	12/21/2000	Merck & Co., Inc.	
	A17	WO 00/66559	11/09/2000	Schering Corporation	
	A18	WO 00/66558	11/09/2000	Schering Corporation	
	A19	WO 00/59498	10/12/2000	Merck & Co., Inc.	

Examiner Signature		Date Considered	
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	A20	WO 00/59497	10/12/2000	Merck & Co., Inc.	
	A21	WO 00/56729	09/28/2000	Anormed, Inc.	
	A22	WO 98/27815	07/02/1998	Merck & Co., Inc.	

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				Art Unit	tba
				Examiner Name	tba
Sheet	5	of	5	Attorney Docket Number	3043 US0P

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A23	MASANORI BABA, et al., "A Small-molecule, Nonpeptide CCR5 Antagonist with Highly Potent and Selective Anti-HIV-1 Activity", Proc. Natl. Acad. Sci. USA, (1999), pp. 5698-5703, Vol. 96.	
	A24	MITSURU SHIRAI SHI, et al., "Discovery of Novel, Potent, and Selective Small-molecule CCR% Antagonists as Anti-HIV-1 Agent: Synthesis and Biological Evaluation of Anilide Derivatives with a Quaternary Ammonium Moiety", J. Med. Chem., (2000), pp. 2049-2063, Vol. 43.	

Examiner Signature	Date Considered
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